What is claimed is:

1. A method for distributing application software applied to an application software distribution system, comprising the steps of:

   a) initializing to distribute application software files to a mobile station;

   b) receiving an application software transmission/reception requiring message from the mobile station;

   c) if the application software transmission requiring message is received, transmitting the application software file to the mobile station; and

   d) if the application software reception requiring message is received, receiving the application software file from the mobile station.

2. The method as recited in claim 1, before the step a), further comprising the step of:

   e) generating a thread in the application software distribution system.

3. The method as recited in claim 2, wherein the step c) includes the steps of:

   c1) constructing a transmission plan in the application software distribution system and transferring a transmission plan message to the mobile station;

   C2) opening an application software file to be

28

transmitted; and

C3) transmitting the application software file to the mobile station.

5   4. The method as recited in claim 3, before the step c1) further including the step of:

c4) transmitting a response message to the application software transmission requiring message.

10   5. The method as recited in claim 2, wherein the step d) includes the steps of:

d1) constructing a reception plan in response to an application software reception requiring message;

d2) receiving application software file packets;

15   d3) determining whether there is an error in the application software file packets; and

d4) if there is no error in the application software file packet, storing the application software file packets.

20   6. The method as recited in claim 3 or 5, before the step b), further including the step of:

f) confirming that the mobile station is a service subscriber.

25   7. The method as recited in claim 4, further including the steps of:

c5) if all of the application software files are

transmitted, transmitting an application software transmission completion packet to the mobile station;

c6) receiving an application software transmission requirement releasing message from the mobile station; and

c7) terminating the thread.

8. The method as recited in claim 7, wherein the application software distribution system stores charging information to make a user of the mobile station chargeable for an execution of said application software program.

9. The method as recited in claim 10, wherein the step a) includes the steps of:

a1) generating a program identity (PID) allocated to transmit the application software transmission plan message; and

a2) storing the PID and an internet protocol (IP) address allocated to transmit the application software are stored.

10. The method as recited in claim 9, further including the step of performing a data backup for information concerned with the user of the mobile station through a data backup equipment, when the mobile station is not used for a constant period by automatically checking a using period of the user of the mobile station.

11. The method as recited in claim 10, wherein the

application software distribution system differentially provides a storing space in accordance with an age or an occupation of the user of the mobile station.

5   12. A method for distributing application software file applied to a mobile station, comprising the steps of:

a) performing an initialization in the mobile station;

b) transmitting an application software transmission/ reception requiring message to an application software

10   distribution system;

c) if the application software transmission requiring message is transmitted, receiving an application software file from the application software distribution system; and

d) if the application software reception requiring

15   message is transmitted, transmitting the application software file.

13. The method as recited in claim 12, after the step c), further comprising the steps of:

20   e) installing the application software file.

14. The method as recited in claim 13, before the step a), further comprising the steps of:

f) selecting an application software program necessary

25   for the mobile station, if there is no necessary application software file.

31

15. The method as recited in claim 15, after the step b), further including the step of:

g) receiving a response to the application software reception requirement message.

16. The method as recited in claim 15, wherein the step c) includes the steps of:

c1) receiving a transmission plan message from an application software distribution system;

c2) constructing a reception plan;

c3) receiving an application software transmission start packet from the application software distribution system;

c4) standing by to receive an application software file;

c5) receiving the application software file from the application software distribution system; and

b6) storing the application software file.

17. The method as recited in claim 16, after the step c5), further including the step of:

c6) performing an error checking of the application software file.

18. The method as recited in claim 15, wherein the step e) includes the steps of:

e1) receiving an application software transmission completion packet from the application software distribution system;

e2) determining whether there is an error in the application software file; and

e3) if there is no error in the application software file, installing the application software file.

5

19. The method as recited in claim 18, further including the step of performing a data backup for information concerned with the user of the mobile station through a data backup equipment, when the mobile station is not used for a constant

10   period by automatically checking a using period of the user of the mobile station.

20. The method as recited in claim 10, wherein the step a) includes the steps of:

15   a1) generating a program identity (PID) allocated to transmit the application software transmission plan message; and

a2) storing the PID and an internet protocol (IP) address allocated to transmit the application software are stored.

20

21. The method as recited in claim 20, wherein the application software distribution system differentially provides a storing space in accordance with an age or an occupation of the user of the mobile station.

25

22. The method as recited in claim 23, wherein the mobile station deletes the application software or transmits the

33

application software to the storing space of the application software distribution system, if the storing space of the mobile station is shortage.

5   23. The method as recited in claim 22, further including the step of automatically connecting to a server designated by a uniform resource locator (URL) of a specified site, when the application software file distributed from the application software distribution system is executed, the URL being set 10   inside the application software.

          24. A computer readable record medium storing instructions for executing a method for distributing application software applied to an application software 15   distribution system, the method comprising the steps of:

          a) initializing to distribute application software files to a mobile station;

          b) receiving an application software transmission/reception requiring message from the mobile station;

20   c) if the application software transmission requiring message is received, transmitting the application software file to the mobile station; and

          d) if the application software reception requiring message is received, receiving the application software file 25   from the mobile station.

          25. A computer readable record medium storing

instructions for executing a method for distributing application software applied to an mobile station, the method comprising the steps of:

a) performing an initialization in the mobile station;

5 b) transmitting an application software transmission/ reception requiring message to an application software distribution system;

c) if the application software transmission requiring message is transmitted, receiving an application software file

10 from the application software distribution system; and

d) if the application software reception requiring message is transmitted, transmitting the application software file.